

501P0619

Fig. 1

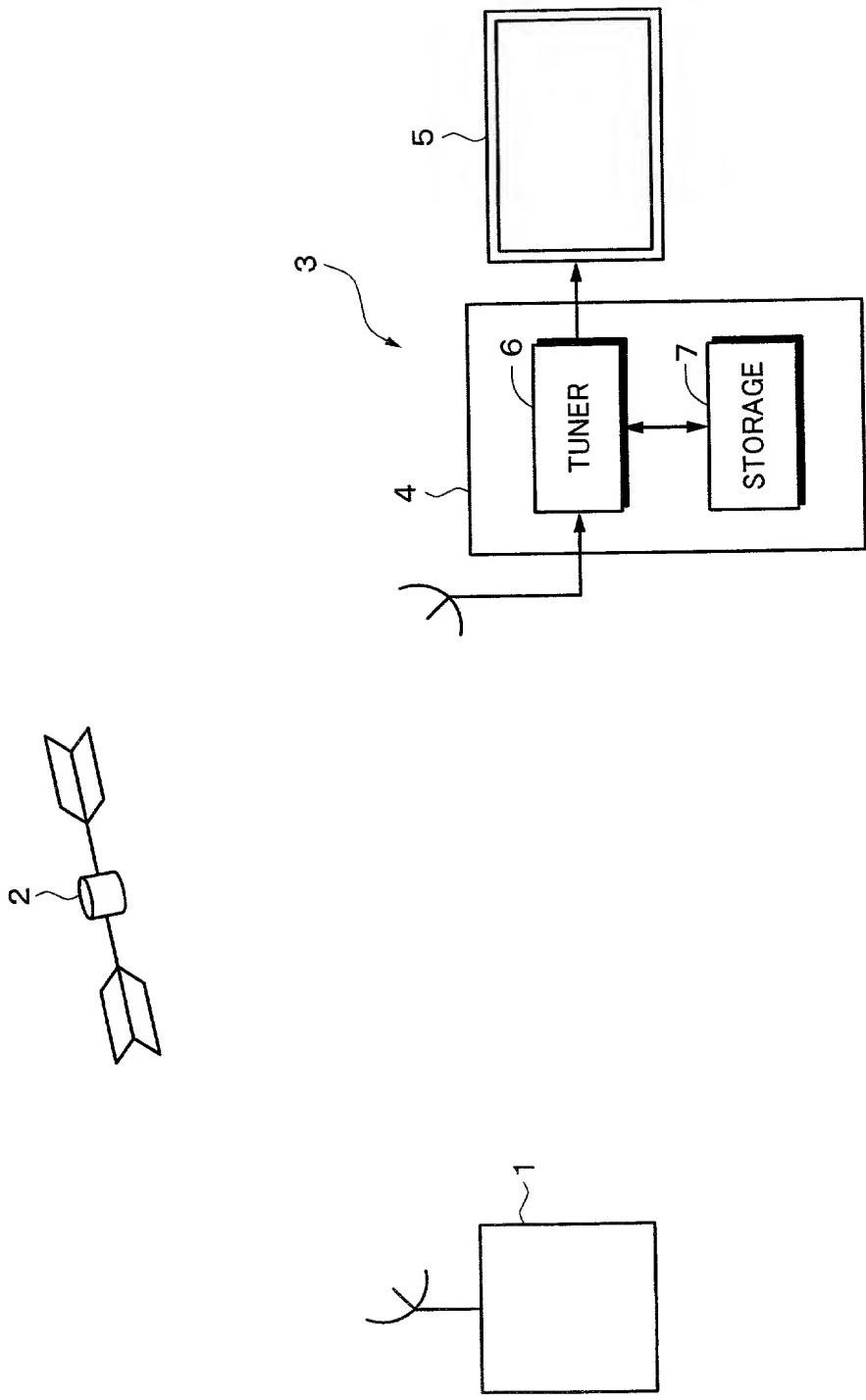


Fig. 2

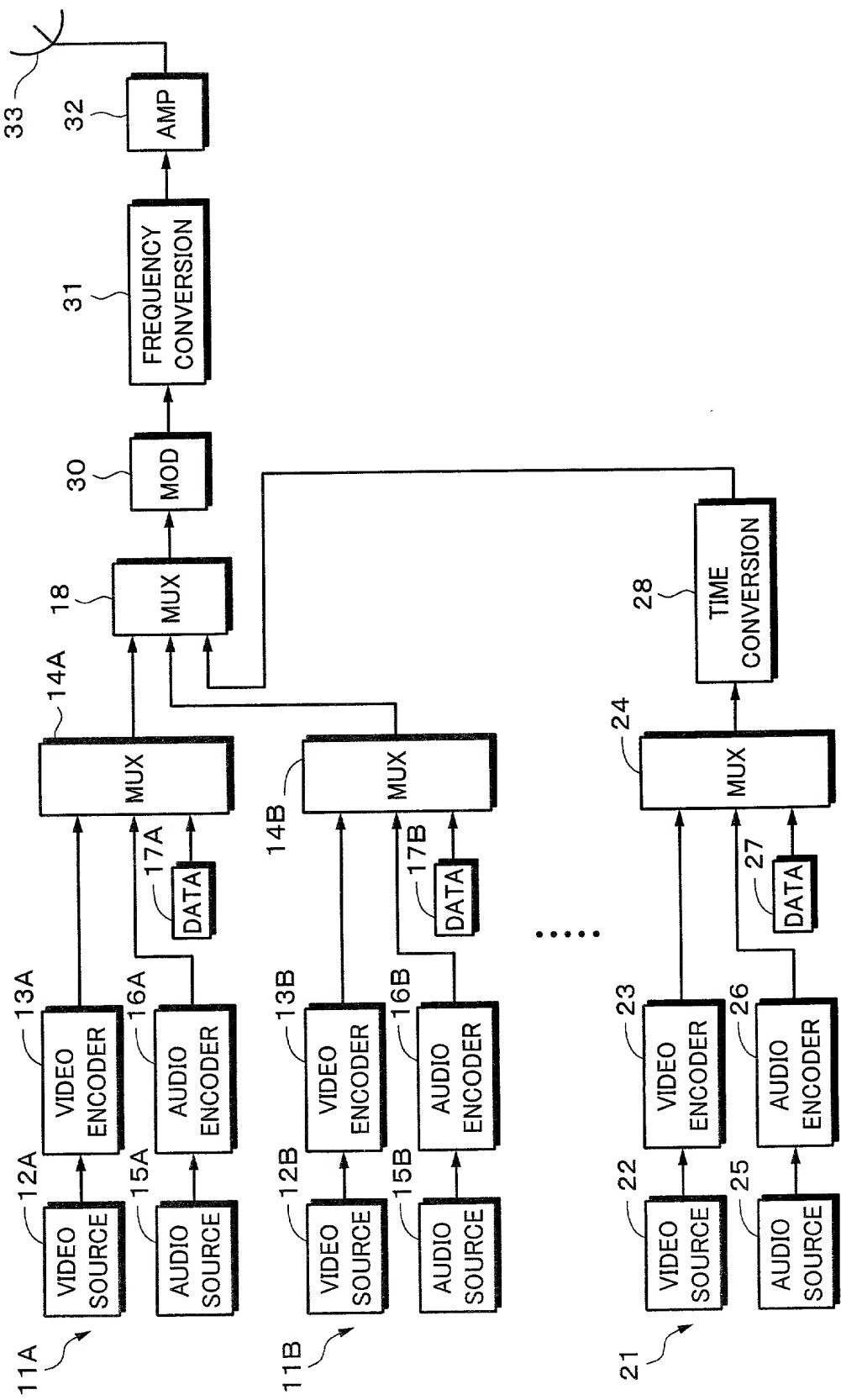


Fig. 3

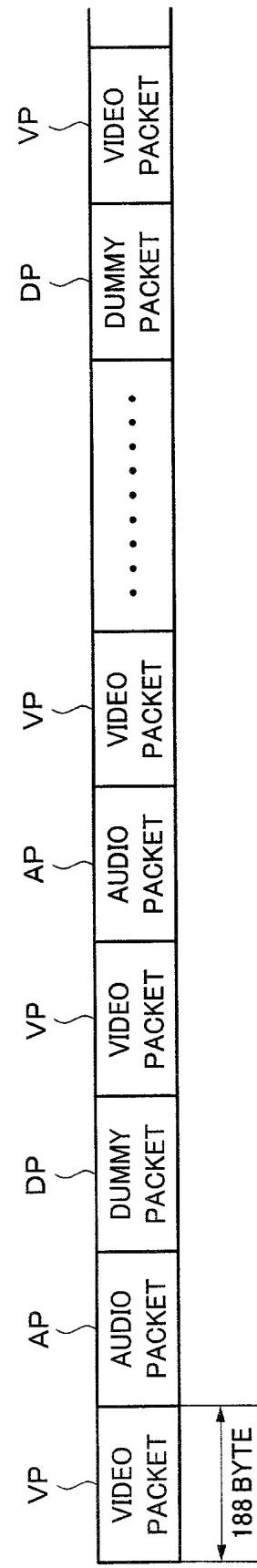


Fig. 4

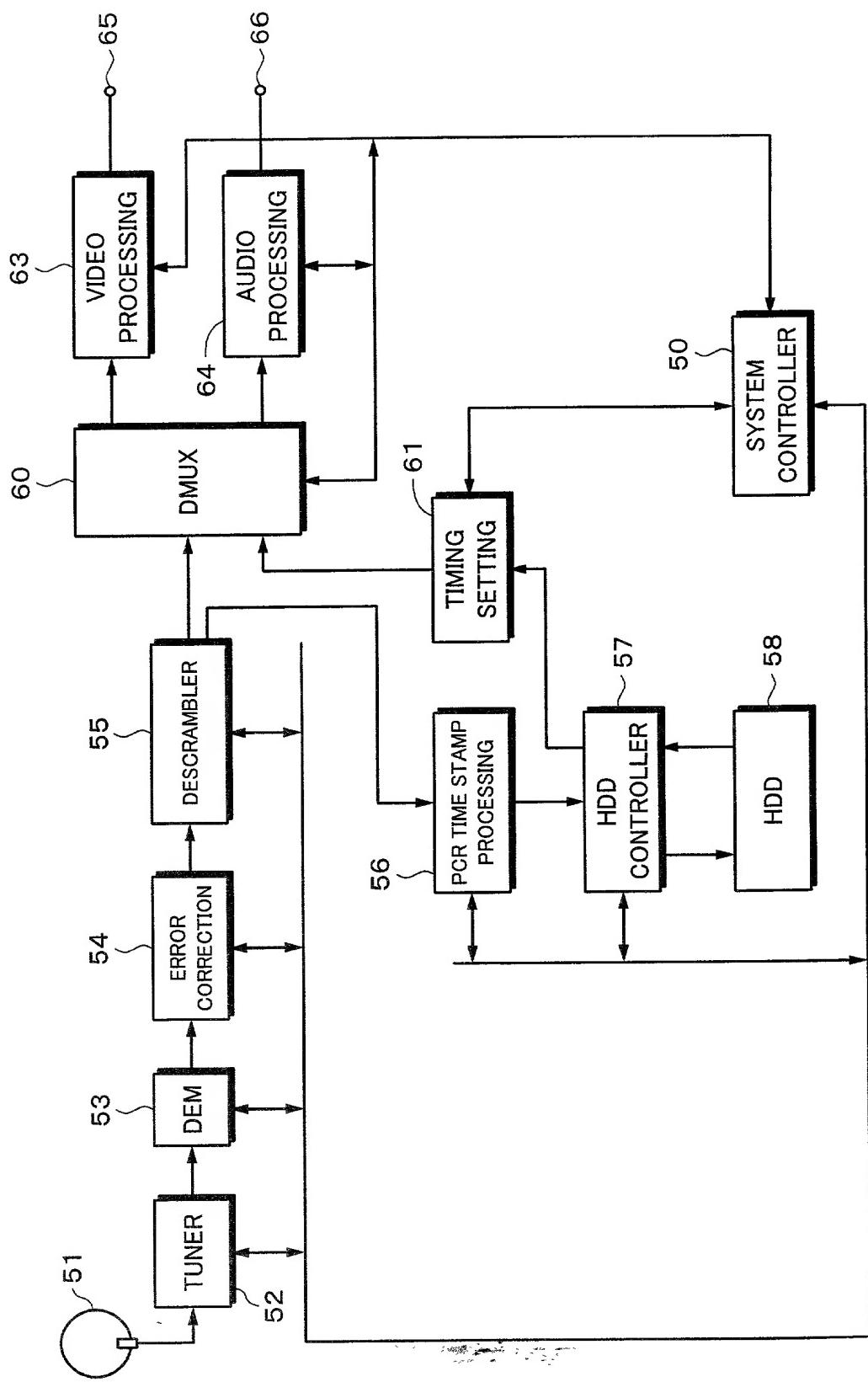


Fig. 5

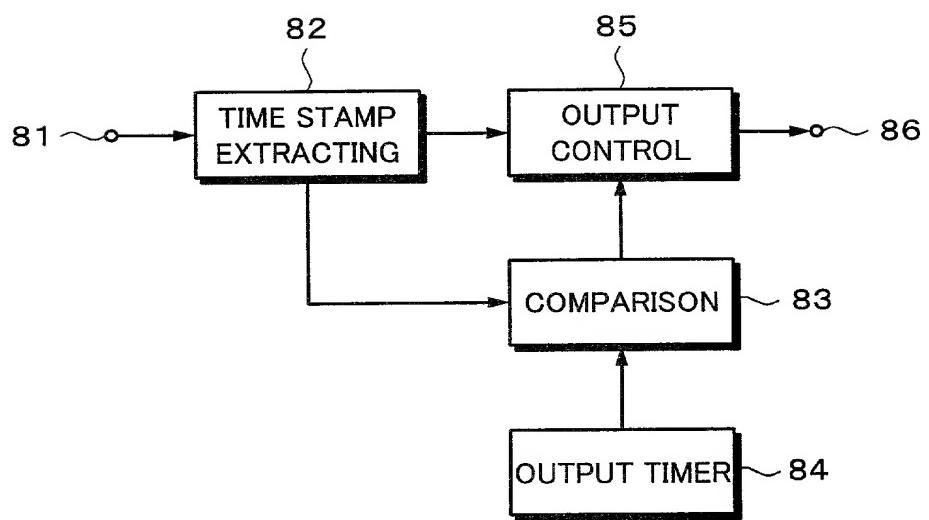


Fig. 6

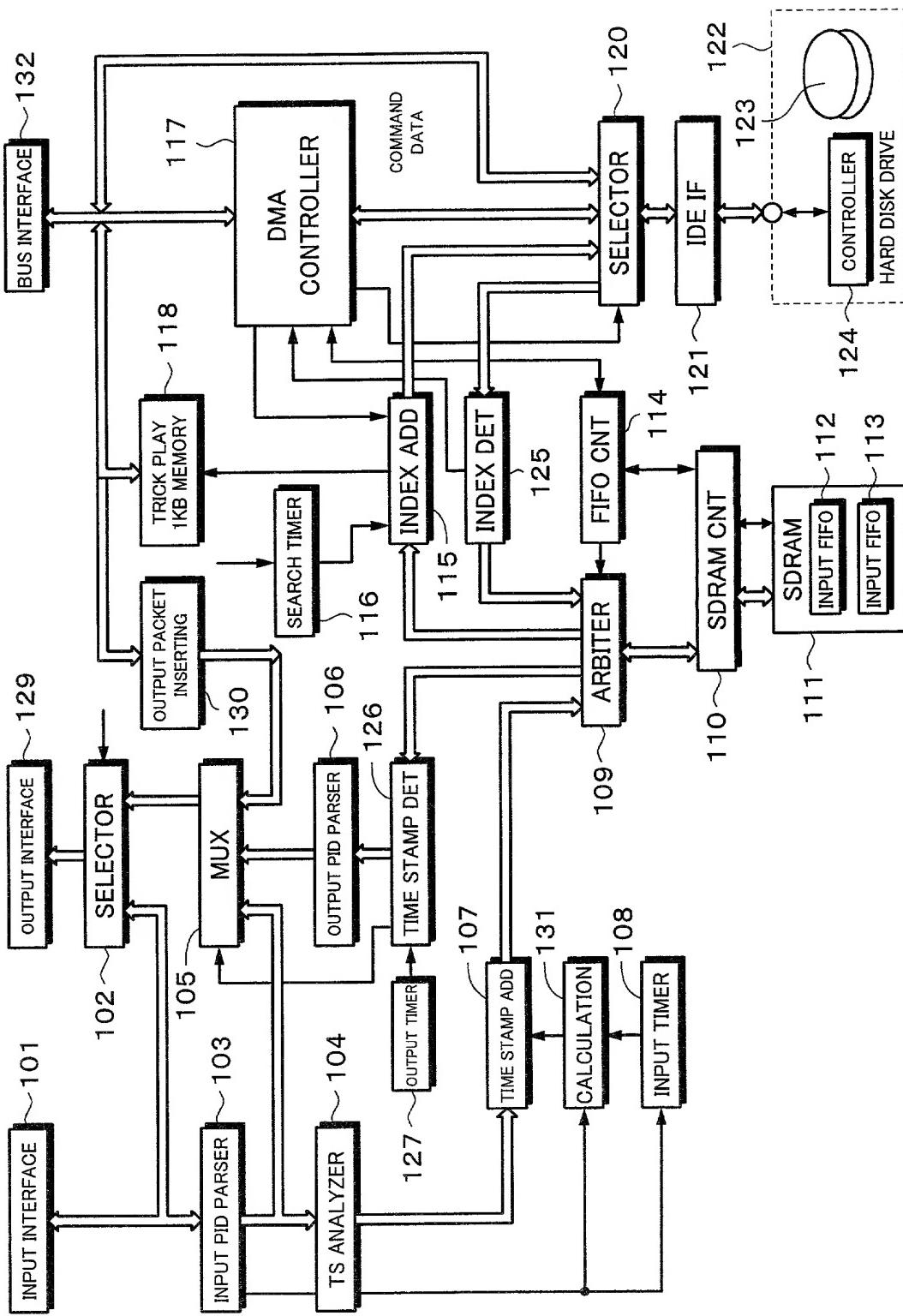
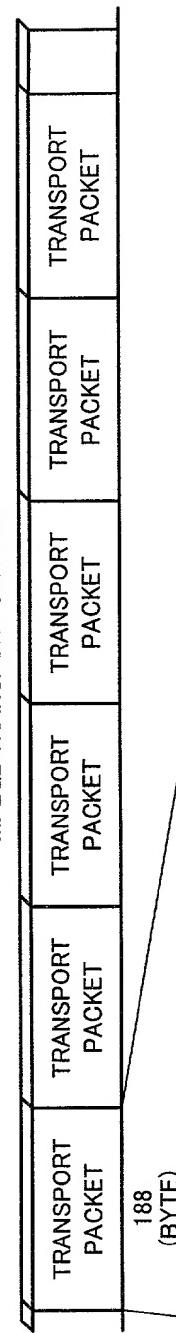
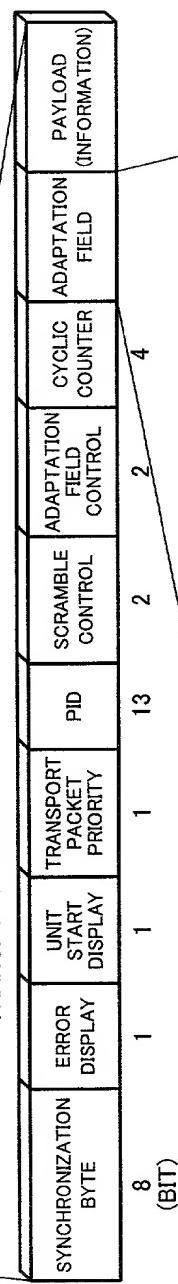


Fig. 7A



TRANSPORT PACKET



ADAPTATION FIELD

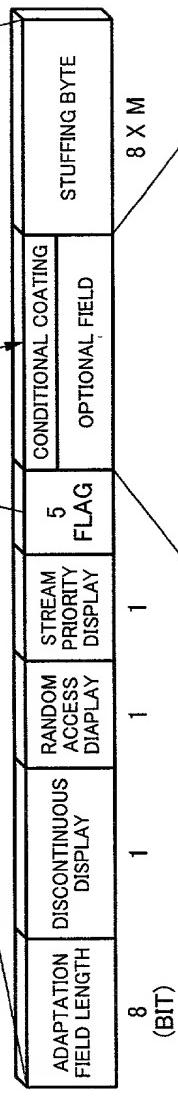


Fig. 7B

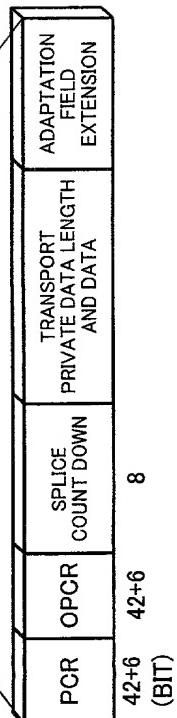


Fig. 7C

Fig. 8

	value	No. of Bits
adaptation_field(){		
adaptation_field_length=	183	8
flags :		
discontinuity_indicator=	0	1
random_access_indicator=	0	1
elementary_stream_priority_indicator=	0	1
PCR_flag=	1	1
OPCR_flag=	0	1
splicing_point_flag=	0	1
transport_private_data_flag=	0	1
adaptation_field_extension_flag=	0	1
PCR :		
program_clock_reference_base=	x	33
reserved=	0	6
program_clock_reference_extension=	0	9
stuffing :		
for(i=0; i<n; i++){		
stuffing_Byte	0	8
}		

Fig. 9

	value	No. of Bits
adaptation_field(){		
adaptation_field_length=	183	8
flags :		
discontinuity_indicator=	0	1
random_access_indicator=	0	1
elemtry_stream_priority_indicator=	0	1
PCR_flag=	0	1
OPCR_flag=	0	1
splicing_point_flag=	0	1
transport_private_data_flag=	1	1
adaptation_field_extension_flag=	0	1
transport_private_data :		
transport_private_data_length=	7	8
Dummy PCR:		
dummy_program_clock_reference_base=	x	33
dummy_reserved=	0	6
dummy_program_clock_reference_extension=	0	9
Dummy Ratio :		
output_ratio_int=	x	5
output_ratio_decimal=	x	12
output_ratio_reserved=	0	7
stuffing :		
for(i=0; i<n; i++){		
stuffing_Byte	0	8
}		

Fig. 10

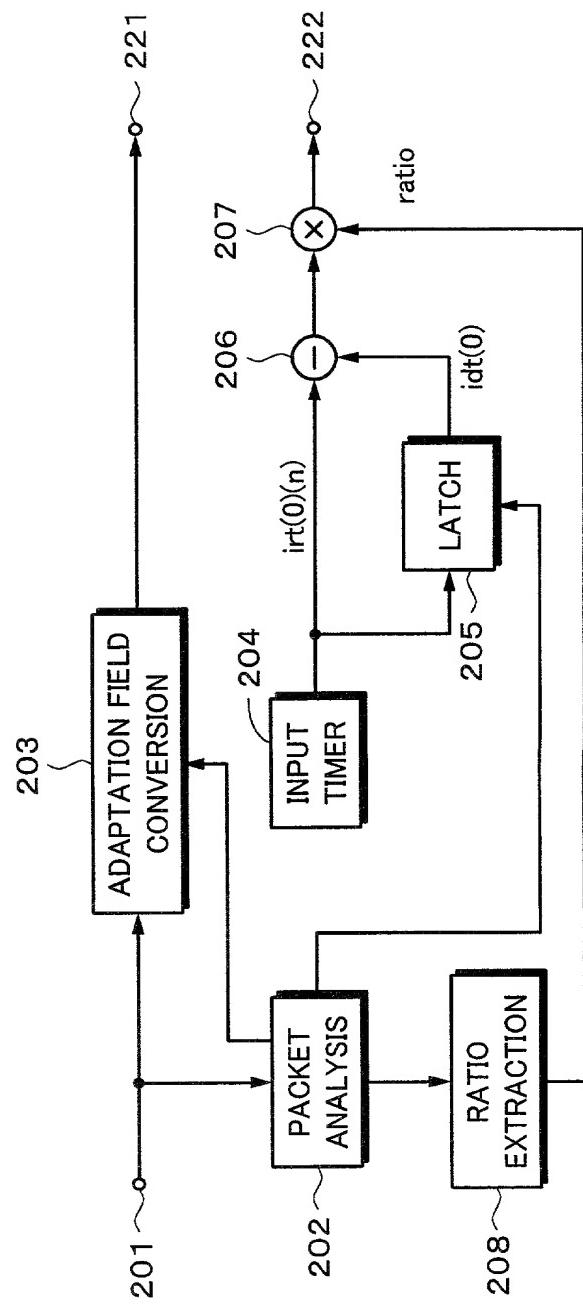
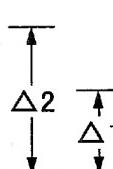


Fig. 11

TIME	INPUT PACKET REACH TIME	RATIO	DUMMY PCR	OUTPUT TIME (TIME STAMP)
14	irt(0)(6) ←14		R_P(0)(6)	ort(0)(6) ←28
12	irt(0)(5) ←12		R_P(0)(5)	ort(0)(5) ←24
10	irt(0)(4) ←10		R_P(0)(4)	ort(0)(4) ←20
8	irt(0)(3) ←8		R_P(0)(3)	ort(0)(3) ←16
6	irt(0)(2) ←6		R_P(0)(2)	ort(0)(2) ←12
4	irt(0)(1) ←4		R_P(0)(1)	ort(0)(1) ←8
2	irt(0)(0) ←2		R_P(0)(0)	ort(0)(0) ←4
0	idt(0) ←0	pcr←0 ratio←2	D_P(0)	odt(0) ←0



The diagram illustrates the time differences between consecutive input packet reach times. It shows two vertical arrows pointing downwards from the 14 and 12 rows to the 10 row. The top arrow is labeled Δ_2 and the bottom arrow is labeled Δ_1 .

Fig. 12

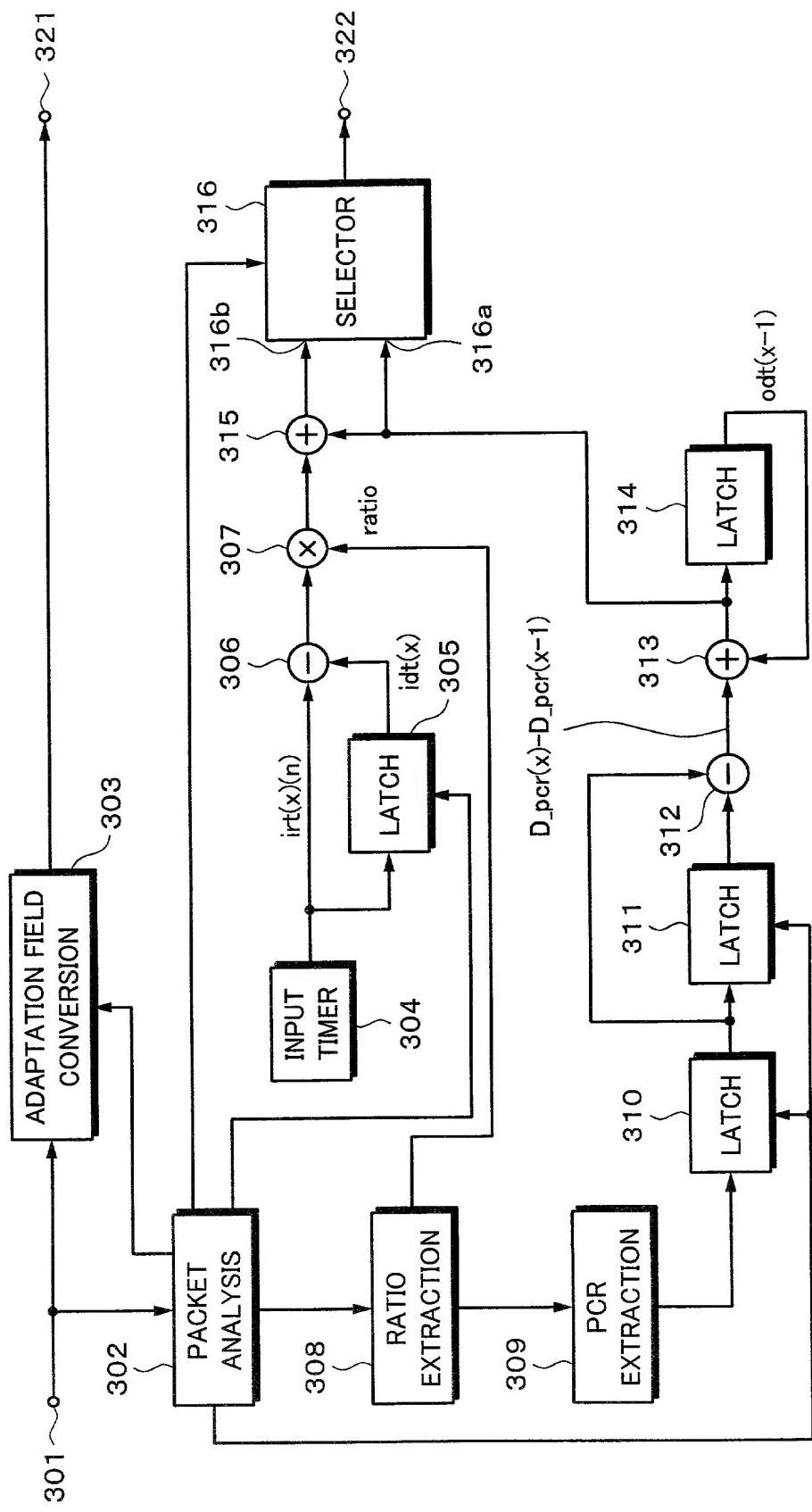


Fig. 13

TIME	INPUT PACKET REACH TIME	DUMMY PCR	RATIO	OUTPUT TIME (TIME STAMP)
30	irt(1)(6) ←30 [R_P(1)(6)]			ort(1)(6) ←60
28	irt(1)(5) ←28 [R_P(1)(5)]			ort(1)(5) ←56
26	irt(1)(4) ←26 [R_P(1)(4)]			ort(1)(4) ←52
24	irt(1)(3) ←24 [R_P(1)(3)]			ort(1)(3) ←48
22	irt(1)(2) ←22 [R_P(1)(2)]			ort(1)(2) ←44
20	irt(1)(1) ←20 [R_P(1)(1)]			ort(1)(1) ←40
18	irt(1)(0) ←18 [R_P(1)(0)]			ort(1)(0) ←36
16	idt(1) ←16 [D_P(1)] pcr←32 ratio←2 odt(1) ←32			
14	irt(0)(6) ←14 [R_P(0)(6)]			ort(0)(6) ←28
12	irt(0)(5) ←12 [R_P(0)(5)]			ort(0)(5) ←24
10	irt(0)(4) ←10 [R_P(0)(4)]			ort(0)(4) ←20
8	irt(0)(3) ←8 [R_P(0)(3)]			ort(0)(3) ←16
6	irt(0)(2) ←6 [R_P(0)(2)]			ort(0)(2) ←12
4	irt(0)(1) ←4 [R_P(0)(1)]			ort(0)(1) ←8
2	irt(0)(0) ←2 [R_P(0)(0)]			ort(0)(0) ←4
0	idt(0) ←0 [D_P(0)] pcr←0 ratio←2 odt(0) ←0			

The diagram illustrates the timing intervals between the arrival of input packets and the generation of output times. It shows two main groups of intervals:

- Group 1 (Top):** Intervals Δ12 (between 30 and 20), Δ11 (between 20 and 16), and Δ1 (between 16 and 0).
- Group 2 (Bottom):** Intervals Δ2 (between 16 and 4), Δ1 (between 4 and 0), and Δ1 (between 0 and 0).

Fig. 14

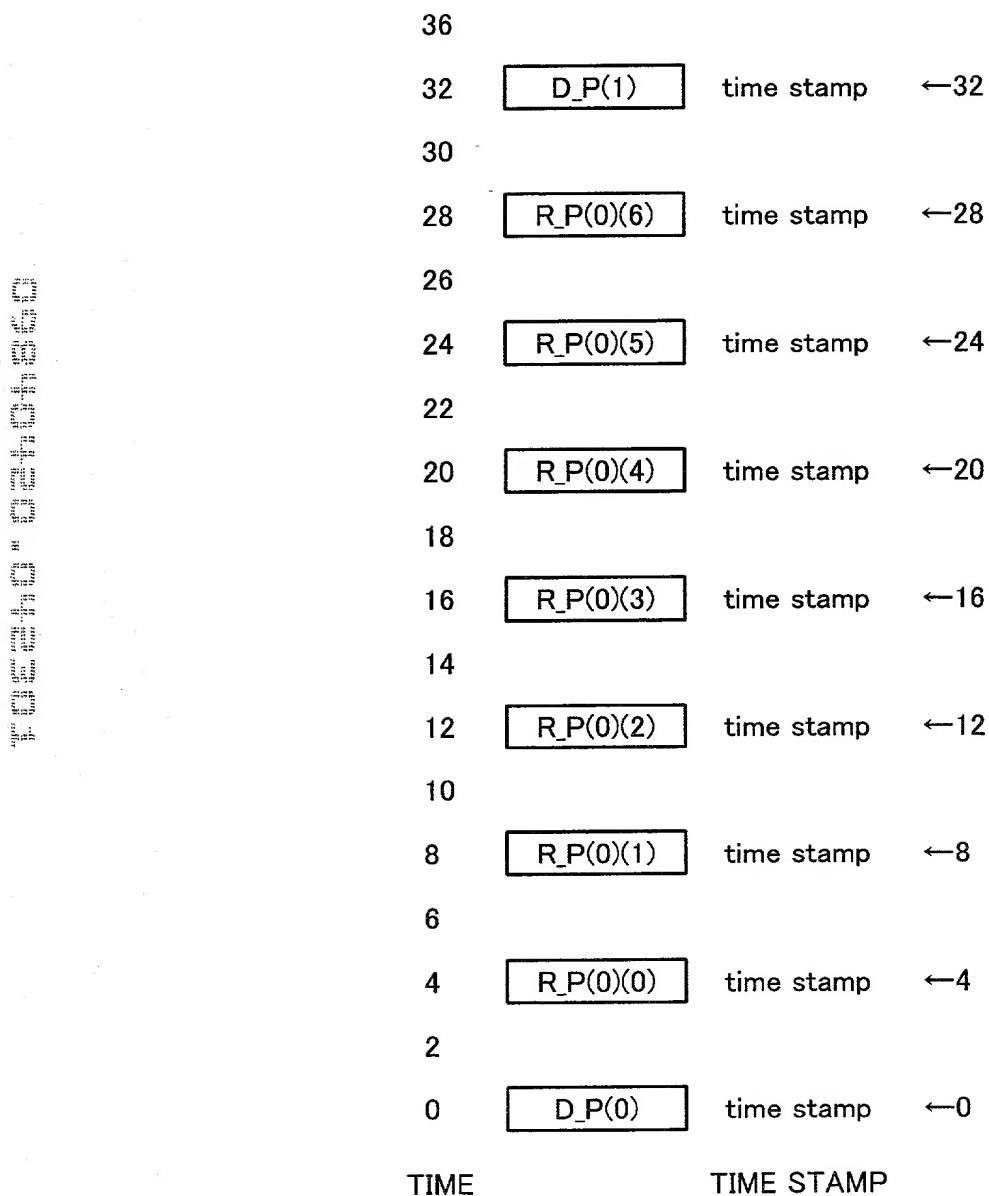


Fig. 15

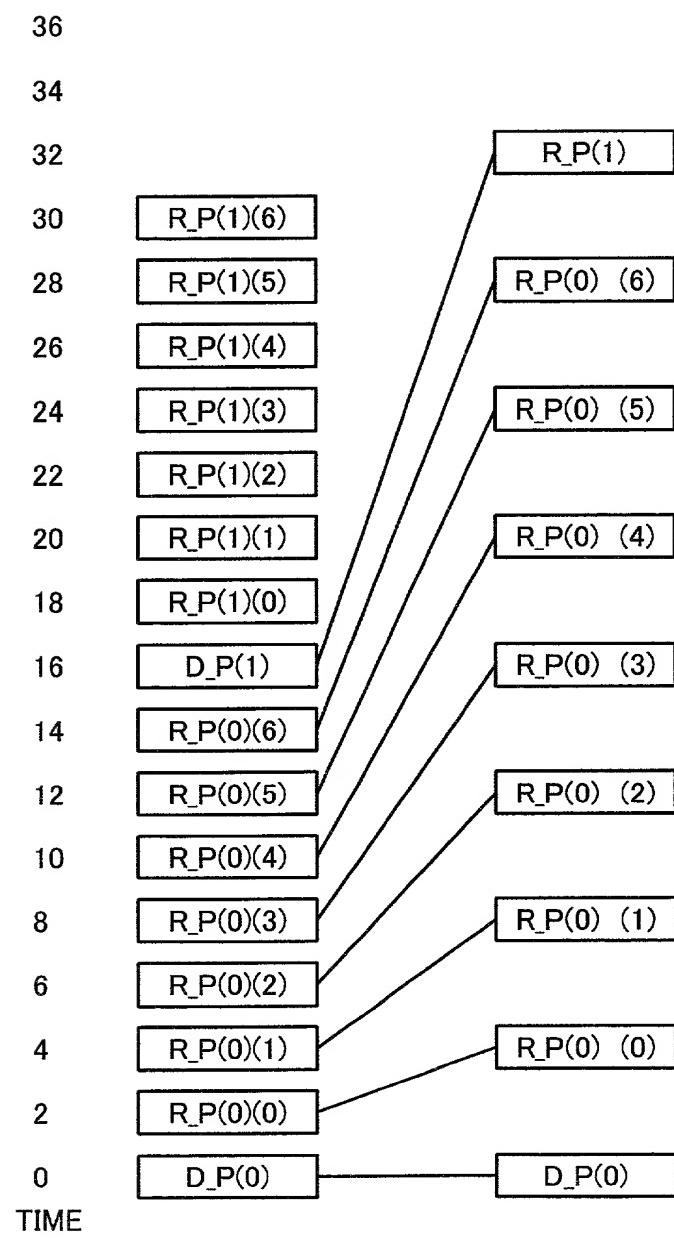


Fig. 16

TIME	INPUT PACKET REACH TIME		DUMMY PCR	RATIO	OUTPUT TIME (TIME STAMP)
0	idt0 ←0	D_P(0)	pcr←0	ratio← $\frac{1}{2}$	odt(0) ←0
1					
2	irt(0)(0) ←2	R_P(0)(0)			ort(0)(0) ←1
3					
4	irt(0)(1) ←4	R_P(0)(1)			ort(0)(1) ←2
5					
6	irt(0)(2) ←6	R_P(0)(2)			ort(0)(2) ←3
7					
8	irt(0)(3) ←8	R_P(0)(3)			ort(0)(3) ←4
9					
10	irt(0)(4) ←10	R_P(0)(4)			ort(0)(4) ←5
11					
12	idt1 ←12	D_P(1)	pcr←6	ratio← $\frac{1}{2}$	odt(1) ←6
13					
14	irt(1)(0) ←14	R_P(1)(0)			ort(1)(0) ←7
15					
16	irt(1)(1) ←16	R_P(1)(1)			ort(1)(1) ←8
17					
18	irt(1)(2) ←18	R_P(1)(2)			ort(1)(2) ←9

Fig. 17

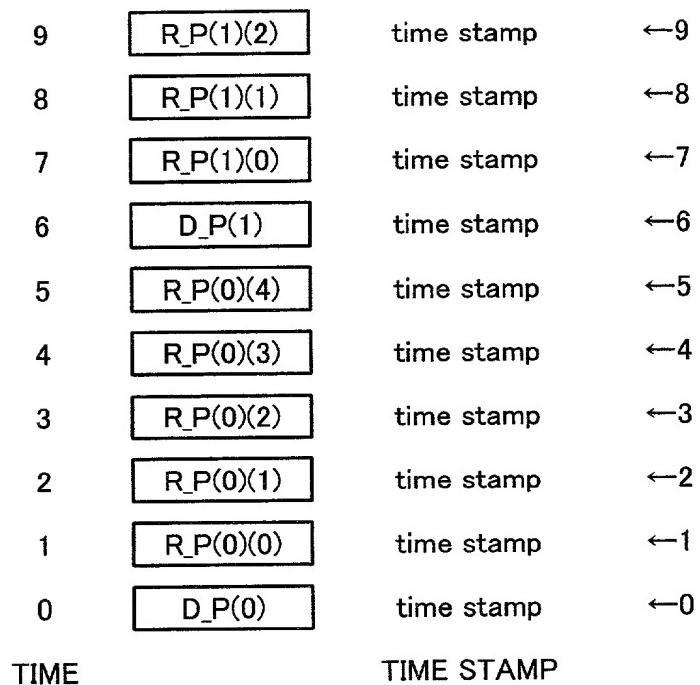


Fig. 18

